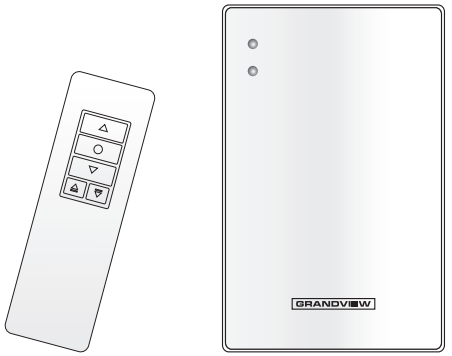
GRANDVIEW®
GRANDVIEW REPRODUCING GENUINE COLORS

Radio Frequency Remote Controller Operation Instruction



Model：1GD-868MnIII

Thank you for choosing the Grandview remote control.
Please read the instructions carefully before using. Keep instructions for future reference.

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ISO9001:2000
International Certification

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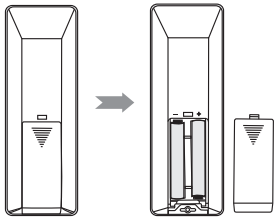
Diagnosis and treatment for malfunction

If the remote control can't work properly, please check it according to the following steps. While if you can't find the same symptoms and right way to solve the problems please contact with Grandview's local distributor or our ofter-sales team.

Symptom	Cause	Measure
The instruction LED light on the receiver doesn't work	1. Check power. 2. The improper cable connection. 3. Disconnected for fuse in receiver.	1. Make sure connect the power properly. 2. Connect the cable in right way ccording to Wire circuit diagram. 3. Replace with new fuse.
The instruction light is working but when you press the button on remote controller the light doesn't twinkle.	1. Batteries in remote controller run out or wrong direction of fixing the cathode and anode for batteries. 2. Incorrect programing connection. 3. Some parts of the receiver is damaged if the manual control of receiver can make the screen move up and down.	1. Change the direction of batteries according to the figure in set up for controller batteries first,but if the malfunction still exists then replace them with new batteries. 2. Check the cable connection according to Wire circuit for receiver. 3. Contact with your local distributor to solve this problem.

Set up for controller's batteries

Please change the batteries according to the following steps when the signal of remote cotrol becomes weak.



Model of the batteries: AAA1.5x2

1. Counter turn the remote controller and open the battery cover according to the drection of arrow
2. Fix in the batteries according to the figure on the left side.
3. Close the battery cover.

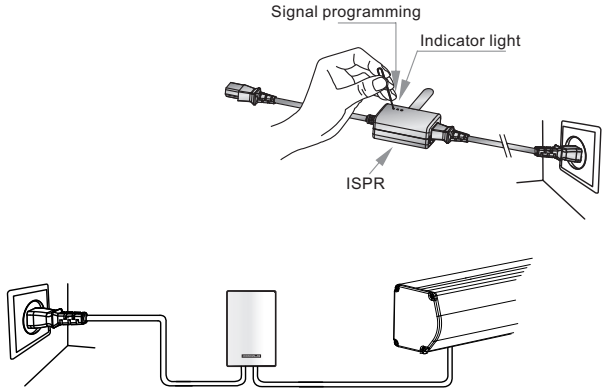
Match with Integrated Synchro Power Relay(hereafter be shorted as ISPR; optional)

After simply learning and matching the ISPR with the projector, screen may be controlled to lower or retract as the projector is on or off.

Method:

1. Plug in the ISPR and the receiver
2. Press SW5 learning button on the receiver, the indicator light starts flashing repeatly, then the learning begins (learning status will stop automatically after 15 seconds)
3. Press learning button on the ISPR emitter, then the indicator light shines
4. Learning indicator light of the receiver flashes twice rapidly, learning succeeds.

Note: For more instruction details, please refer to the user manual for ISPR.



CAUTION

Warning: Please do not expose the product in moist place to prevent from potential danger of fire or electric shock

1. Please read this instruction carefully before using to prevent from potential damage to the product cause by inappropriate operation
2. Please put the product in ventilated place and operate according to instruction
3. Please move away from heat source such as heating machine, stove and other equipment that generate heat
4. Please only connect to the power source with earth wire
5. Never step on or clamp the power line
6. Please only use the accessories provided by supplier
7. Please unplug the power line during thunderstorm or long time lay aside
8. Please handover the maintanence work to professional after-sales staff
9. Please keep the product away from water and do not put anything with water on the product such as vase
10. As long as the power line is connected to the power source, the product is still connected to the alternating current power supply

Features of the Receiver

1GD-868MnIII

Model: 1 GD-868MnIII Receiver

The receiver is the controller between power source and the electric screen, to control the fabric to go up, down or stop.

The receiver can control the screen with three methods mentioned below:

1. Using the RF emitter to control the fabric to go up, down or stop. The receiver could only work with the 1GD-868Mn emitter that provided by our company and the effective working radius is 50 meters.
2. Using the button on the box to control the fabric to go up, down or stop.
3. Can be connected to an external dry contact switch to control the fabric to go up, down or stop

Technical features of the receiver: Reliable, Energy Conservated and Environmentall Friendlly

> Using STM paster with damproof processing
> Automatically shut off power if there are no operation in one minute
> Using a certified connector to ensure the safety
> One receiver can receive maximum 20 sets of codes from eimitter which means user could control the receiver with maximum 20 pieces of emitter
> One receiver can be only connected to one pieces of electric screen

Parameters of the receiver:

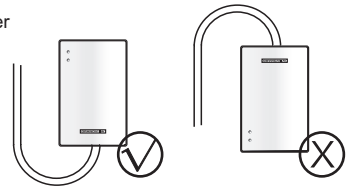
> Power source: AC230V/50Hz, 120V/60Hz The actual figure should refer to the parameter sticker on the box
> Working Temprature: -20℃ to +80℃
> Maximum Load: 600W
> Operating Frequency: 868MHz

Installation of the Receiver

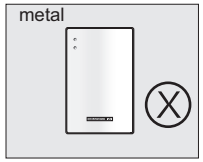
Please read the below instruction before installing the receiver

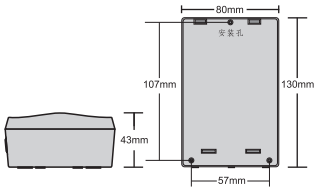
Attention:

> When installing the receiver, please make sure the cable exit face down to prevent from potential infiltrationwater



> Please keep away from large size metal objects when installing the receiver in case the frequency is affected





Dimension

> Please make sure the distance between two receiver should be at least 20 cm

Wiring Instruction

The below diagram showcase the wire connection, please following the below instruction during installation

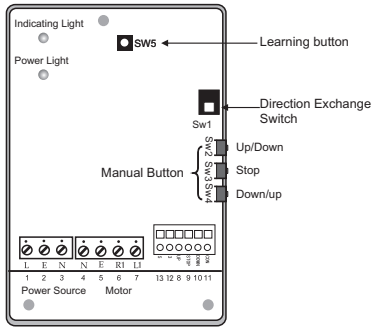
> The power must be cut before wiring

> Please prevent from static electricity as it may damage to some electronic parts

> Please use cables that match the local safety standard

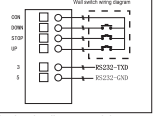
> The earth wire must be connected

> When connecting the control box externally, please make sure the loop resistance is less than 20Ω. If the cable lies nearby the strong current, please try to use shielded wire. The qualified UTP cable is recommend for total cable length within 100 meter as the resistance is around 9.2Ω.



Wiring

Model	No.	ID	Name	230V Color	115V Color
Power Line	1	L	Live Wire	Brown	Black
	3	E	Earth Wire	Yellow Green	Green
	2	N	Null Wire	Blue	White
Motor Line	4	N	Null Wire	Blue	Blue
	5	E	Earth Wire	Yellow Green	Yellow Green
	6	R	Up/Down Wire	Brown	Brown
	7	L	Up/Down Wire	Black	Black
External Switch	8	Up	Up Wire		
	9	Stop	Stop Wire		
	10	Down	Down Wire		
	11	Con	Concentric Wire		
	12	3	RS232-TXD		
	13	5	RS232-GND		



Attention: Please make sure the wiring is strictly following the diagram and the diagram is only base on our product.

If you found the screen rolling in a contrary direction(when you press the up button the screen goes downwards, when you press the down button,the screen goes upwards),you only needs to open the receiver and change the cables for R1 and L1.

RS485/RS232 Configuration

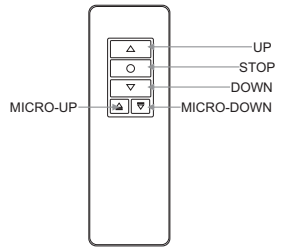
Central Control Protocol

1. Communication Protocol:

DATA BITS: 8 Digits	INTIAL DIGITS: Digit 1	STOP DIGITS: Digit 1	BAUD RATE: 2400

2. UP: 0xFF 0xEE 0xEE 0xEE 0XDD
3. STOP: 0xFF 0xEE 0xEE 0xEE 0XCC
4. DOWN: 0xFF 0xEE 0xEE 0xEE 0XEE
5. MICRO–UP: 0xFF 0xEE 0xEE 0xEE 0xC9
6. MICRO–DOWN: 0xFF 0xEE 0xEE 0xEE 0xE9
7. Initial Code: 0xFF 0xXX 0xXX 0xXX 0xAA

FUNCTION :



Model：1GD-868Mn

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The Remote control is compatible with the receiver, transfer signal by Radio Wave(868MHz).

Operating Instruction for Using Remote:

1. Press ▲ to lift the screen.
2. Press ○ to stop the screen
3. Press ▼ to lower the screen.
4. The Micro switch is used for retracting or lowering screen in small increments.

Cautions for Remote:

1. Working Temperature:-5℃~+40℃;
2. Protection Rate:IP40;
3. In order to avoid leakage,please take out of the battery when storing it for a long time without use.

Programming Setting and Clear for Remote Control

Programming Code Setting(Step by Step)

1. Press the programming button of the receiver(SW5), the Led(FD1)will twinkle in gree and indicating it is in programming mode.
2. Then loose the button, press up/stop switch of the remote controller until the Led(FD1) light on, then loose the button,means the programming is sucessful.

Programming Code Cleaning(Step by step)

1. Press the Programming button of the receiver(SW5) in 5 seconds, the Led(FD1)will twinkle from slowly to quickly.
2. Then loose the button, press it again, the Led(FD1)will light on, which means the programming code is clear.

Note:

1. Please make sure setting the programming code in 15 second when the LED (FD1) twinkle in green,otherwise it will be failed.
2. Pls do not start programming setting when the screen is rolling.
3. When in the process of programming code setting,the remote will stop working.

Instruction for Manual Switch of Receiver(Pls refer to Drawing of Page3)

When the remote control don't work,you can handle the screen by Manual Switch instead.

Mannual control of Direction Exchange Switch for Motor(SW1) Manual Instruction:

When controlling the screen by mannual control, If you found the screen rolling in a contrary direction and confrim operate the remote in a right way (that means when you press the up button the screen goes downwards,when you press the down button,the screen goes upwards). Please just turn turn the (SW1) switch which is inside of the Receiver , the screen will properly working again.